# (590.076)

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Chaudhari, et al.

Serial No.

10/042,827

Examiner: Unassigned

Filed

January 4, 2002

Art Unit: 2171

For

EFFICIENT RECURSIVE CLUSTERING BASED ON A SPLITTING FUNCTION DERIVED FROM

SUCCESSIVE EIGEN-DECOMPOSITIONS

February 28, 2002

RECEIVED

MAR.1 8 2002

## TRANSMITTAL LETTER

Technology Center 2100

I hereby certify that this correspondence and any documents referred to as enclosed therewith are being deposited with the United States Postal Service as first class mail, addressed to the Assistant Commissioner for Patents, Washington, C 20231 on February 28, 2002.

**Assistant Commissioner for Patents** Washington, DC 20231

Stapley D. Ference III Reg. No. 33,879

February 28, 2002 Date of Signature

Sir:

Transmitted herewith is an Associate Power of Attorney for the above-identified application.

Respectfully submitted,

Stanley D. Ference III Registration No. 33,879

**FERENCE & ASSOCIATES** 129 Oakhurst Road Pittsburgh, Pennsylvania 15215 (412) 781-7386

(412) 781-8390 - Facsimile

**Enclosure** 

Attorneys for Applicants



COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 2023I
WWW.uspto.gov

APPLICATION NUMBER

FILING DATE

GRP ART UNIT

FIL FEE REC'D ATTY.DOCKET.NO DRAWINGS

ATTY DOCKET.NO

DICKVIII

IND CLAIMS

10/042,827

01/11/2002

2171

758

YOR920010539US1 (590.076)

2

21

TOT CLAIMS

3

CONFIRMATION NO. 7326

FILING RECEIPT

\*OC000000007456278\*

FERENCE & ASSOCIATES 129 Oakhurst Road Pittsburgh, PA 15215

COPY OF PAPERS ORIGINALLY FILED

Date Mailed: 02/11/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

### Applicant(s)

Upendra V. Chaudhari, E. Briarcliff Manor, NY; Jin Navratil, White Plains, NY; Ganesh N. Ramaswamy, Ossining, NY;

# **Assignment For Published Patent Application**

IBM Corporation, Armonk, NY;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 02/11/2002

Projected Publication Date: 07/17/2003

Non-Publication Request: No

Early Publication Request: No

Title

Efficient recursive clustering based on a splitting function derived from successive eigendecompositions

707

# LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

#### **GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

### **NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

Atty. Docket No. YOR9200105391 (590.076)

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Chaudhari, et al.

Serial No.

10/042,827

Examiner: Unassigned

Filed

January 4, 2002

Art Unit: Unassigned

For

EFFICIENT RECURSIVE CLUSTERING BASED ON A SPLITTING FUNCTION DERIVED FROM

SUCCESSIVE EIGEN-DECOMPOSITIONS

February 19, 2002

COPY OF PAPERS ORIGINALLY FILED

### REQUEST FOR CORRECTED FILING RECEIPT

I hereby certify that this correspondence and any documents referred to as enclosed therewith are being deposited with the United States Postal Service as first class mail, addressed to the Assistant Commissioner for Patents, Washington,

DC 20231 on February 19, 2002.

tanley D. Ference III Reg. No. 33,879

February 19, 2002

Date of Signature

**Assistant Commissioner for Patents:** Washington, DC 20231

Sir:

Attached is a copy of the Official Filing Receipt received from the Patent and Trademark Office in the above identified application. Issuance of a corrected Filing Receipt is respectfully requested due to an error in the filing date of the application. The filing date should be January 4, 2002.

Atty. Docket No.-YOR920010539US1 (590.076)

Attached as Exhibit A is the return post card bearing a filing date of January 11, 2002. This is not the date the application was deposited with the United States Postal Service. Attached as Exhibit B is the Express Mail Receipt No. EL765475512US bearing a postmark of January 4, 2002. Attached as Exhibit C is a print out of the United States Postal Service shipment history for the above-referenced Express Mail Receipt.

Please update your records accordingly and issue a corrected filing receipt.

Respectfully submitted,

Stanley Ference III Registration No. 33,879

FERENCE & ASSOCIATES 129 Oakhurst Road Pittsburgh, Pennsylvania 15215 (412) 781-7386 (412) 781-8390 - Facsimile

Attorneys for Applicant

**Enclosures** 

PAGE BLANK (USPTO)

# **EXHIBIT A**

Patent and Trademark
Office Mailroom
hereon acknowledges
the receipt of the
identified papers on
the date indicated by
such stamp.

The stamp of the U.S. Application for EFFICIENT RECURSIVE
CLUSTERING BASED ON A SPLITTING
FUNCTION DERIVED FROM SUCCESSIVE
EIGEN-DECOMPOSITIONS, comprising 9 pages
of description, 6 pages of claims, 1 page of
hereon acknowledges
hereoint of the
CLUSTERING BASED ON A SPLITTING
FUNCTION DERIVED FROM SUCCESSIVE
EIGEN-DECOMPOSITIONS, comprising 9 pages
of description, 6 pages of drawings;
hereoint of the
CLUSTERING BASED ON A SPLITTING
FUNCTION DERIVED FROM SUCCESSIVE
EIGEN-DECOMPOSITIONS, comprising 9 pages
of description, 6 pages of drawings;
hereoint of the
CLUSTERING BASED ON A SPLITTING
FUNCTION DERIVED FROM SUCCESSIVE
EIGEN-DECOMPOSITIONS, comprising 9 pages
of description, 6 pages of claims, 1 page of
abstract, and 2 sheets of drawings;
hereoint of the
CLUSTERING BASED ON A SPLITTING
FUNCTION DERIVED FROM SUCCESSIVE
EIGEN-DECOMPOSITIONS, comprising 9 pages
of description, 6 pages of claims, 1 page of
abstract, and 2 sheets of drawings;
hereoint of the CLUSTERING BASED ON A SPLITTING
FUNCTION DERIVED FROM SUCCESSIVE
EIGEN-DECOMPOSITIONS, comprising 9 pages
of description, 6 pages of claims, 1 page of
abstract, and 2 sheets of drawings;
hereoint of the CLUSTERING BASED ON A SPLITTING
FUNCTION DERIVED FROM SUCCESSIVE
EIGEN-DECOMPOSITIONS, comprising 9 pages
of description, 6 pages of claims, 1 page of
abstract, and 2 sheets of drawings;

ASSIGNMENT WITH (duplicate) RECORDATION FORM COVER SHEET

TRANSMITTAL LETTER (in duplicate)
EXPRESS MAIL CERTIFICATE

January 4, 2002 YOR920010539US1 (590.076)



PAGE BLANK (USPTO)

# **EXHIBIT B**

GOFY OF PAPERS' ORIGINALLY FILED

EXPRESS POST OFFICE	EL 765475512 US
MAIL TO ADDRESSEE  UNITED STATES POSTAL SERVICE®  ORIGIN (POSTAL USE ONLY)  PO ZIECOSE  Next Secold Postage	SEE REVERSE SIDE FORMS
Oste in S S S S S S S S S S S S S S S S S S	SERVICE GUARANTERAID LIMINS ON INSURANCE COVERAGE  ON INSURANCE COVERAGE
No Delivery  No Delivery  No Delivery  Acceptance Clerk Initials  Total Possess  S  CUSTOMERUSEONLY  METHOD OF PAYMENT:  Express Met Corporate Acct. No.  FROM: PLEASE PRINT)  PHONE	FO 2 Fostal Service Acct. No. or FO 2 TO: (PLEASE PRINT)  PHONE [
FERENCE & ASSCCIATES LAW DEFICE 129 DAKHURST RD PITTSBURGE PA 15215-1549	BOX PATENT APPLICATION COMMISSIONER OF PATENTS 8 TRADEMARKS WASHINGTON DC 20231-0001
(590.076) YOR920010539US]. FOR PICKUP OR TRACKING CALL 1-80	

THIS PAGE BLANK (USPTO)

# **EXHIBIT C**



Track Cook of Sect Of Sect of Section 1

Home | Sign In | Find ZIP Codes | Calculate Postage | Change Address | Locate Post Offices | Track/Confirm

Shipping center
Ship
Rates
Supplies
Web Tools



#### ▶Track & Confirm

Delivery Confirmation Signature Confirmation



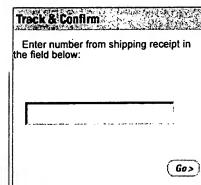
### **Shipment History**

You entered EL76 5475 512U S

Your item was delivered at 7:27 am on January 08, 2002 in WASHINGTON, DC 20231 to PATENTS. The item was signed for by M BOSTON.

Here is what happened earlier:

- NOTICE LEFT, January 07, 2002, 10:08 pm, WASHINGTON, DC 20231
- ARRIVAL AT UNIT, January 07, 2002, 9:56 pm, WASHINGTON, DC 20066
- ACCEPTANCE, January 04, 2002, 11:35 pm, PITTSBURGH, PA 15231



Request Delivery Record >



site map | contact us | FAQs | search | keywords
Copyright © 1999-2001 USPS. All Rights Reserved. Terms of Use Privacy Policy